

HETEROGENEOUS PROCESSOR CORE SYSTEMS
FOR IMPROVED THROUGHPUT

5

ABSTRACT OF THE INVENTION

A computer system for maximizing system and individual
job throughput includes a number of computer hardware
processor cores that differ amongst themselves in at least
10 in their respective resource requirements and processing
capabilities. A monitor gathers performance metric
information from each of the computer hardware processor
cores that are specific to a particular run of application
software then executing. Based on these metrics, a workload
15 assignment mechanism assigns jobs to processor cores in
order to maximize overall system throughput and the
throughput of individual jobs.